

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits   | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|-----------------|------------------|---------|------------------|
| S53   | 256    | (interfer\$4 near3 (signal\$1 channel co\$1channel)) with ((time frequency) near2 (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)   | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:27 |
| S54   | 173    | (interfer\$4 near3 (signal\$1 channel co\$1channel)) with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:29 |
| S55   | 149    | (interfer\$4 near2 (signal\$1 channel co\$1channel)) with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:29 |
| S56   | 102484 | (adjacent interfer\$3 next) near2 (cell\$1 sector\$1) (interfer\$4 near2 (signal\$1 channel co\$1channel)) with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)      | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:31 |
| S57   | 2      | (adjacent interfer\$3 next) near2 (cell\$1 sector\$1) with (interfer\$4 near2 (signal\$1 channel co\$1channel)) with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.) | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:32 |
| S58   | 0      | (adjacent interfer\$3 next) near2 (cell\$1 sector\$1) with interf\$4 with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:36 |
| S59   | 8      | (adjacent interfer\$3 next) near2 (cell\$1 sector\$1) with interfer\$4 with ((time frequency) near (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB; USPAT | OR               | ON      | 2009/11/04 07:37 |

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| S60 | 13  | (adjacent interfer\$3) near2 (cell \$1 sector\$1 (base near station \$1) basestation\$1 BTS "base transceiver station") with interfer\$4 with ((time frequency) near2 (align\$4 synchroni\$6)) and ("455"/\$.ccls. or "370"/\$.ccls.) | US-PGPUB; USPAT  | OR | ON | 2009/11/04 07:41 |
| S61 | 26  | (adjacent interfer\$3) near2 (cell \$1 sector\$1 (base near station \$1) basestation\$1 BTS "base transceiver station") with interfer\$4 with ((time frequency) near2 (align\$4 synchroni\$6))  | US-PGPUB; USPAT  | OR | ON | 2009/11/04 07:41 |
| S62 | 28  | (adjacent interfer\$3) near2 (cell \$1 sector\$1 (base near station \$1) basestation\$1 BTS "base transceiver station") with interfer\$4 with ((time frequency) near2 (align\$4 synchroni\$6))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 07:41 |
| S63 | 15  | S62 not (S60 S59)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 07:42 |
| S64 | 213 | (cell\$1 sector\$1 (base near station\$1) basestation\$1 BTS "base transceiver station") with interfer\$4 with ((time frequency) near2 (align\$4 synchroni\$6))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 07:44 |
| S65 | 140 | S64 and ("455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 07:45 |
| S66 | 127 | S65 not (S60 S59 S62)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 07:45 |
| S67 | 0   | ((cell\$1 sector\$1 (base near station\$1) basestation\$1 BTS "base transceiver station") near3 interfer\$4) same (determin\$5 calculat\$3 comput \$3) near3 ((time frequency) near2 (align\$4 synchroni\$6))                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:09 |

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| S68 | 5   | ((cell\$1 sector\$1 (base near station\$1) basestation\$1 BTS "base transceiver station") near5 interfer\$4) same (determin\$5 calculat\$3 comput \$3) near3 ((time frequency) near2 (align\$4 synchroni\$6))                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:10 |
| S69 | 72  | 455/63.1,67.11,67.13.ccls. and 455/502,503.ccls.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:16 |
| S70 | 108 | (co\$1channel adjacent) near2 interference with ((time frequency) near2 synchroni\$6)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:21 |
| S71 | 84  | S70 not (S69 S65 S64 S61 S62)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:22 |
| S72 | 7   | (adjacent neighbor\$3) near3 (cell\$1 sector\$1) near5 (signal \$1 channel\$1) with (calculat\$3 determin\$5 comput\$5) near4 ((time frequency) near2 (synchroniz\$5 align\$4))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 08:33 |
| S73 | 1   | shar\$3 near3 (time\$1slot\$1 slot \$1) with (neighbor\$3 adjacent) near2 ("base station" basestation\$1 "base transceiver station" BTS "node B") with (allocat\$3 assign\$4 allot\$4 reserv\$5 designat\$5) near3 (frequenc\$3 channel\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 09:48 |
| S74 | 6   | (shar\$3 joint\$2) near3 (time \$1slot\$1 slot\$1) with (neighbor \$3 adjacent) near2 ("base station" basestation\$1 "base transceiver station" BTS "node B") with (frequenc\$3 channel\$3 bandwidth resource)                              | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 09:53 |
| S75 | 8   | (shar\$3 joint\$2) near3 (time \$1slot\$1 slot\$1) with ((neighbor \$3 adjacent) near2 ("base station" basestation\$1 "base transceiver station" BTS "node B" cell\$1 sector\$1)) with interfer\$4  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 10:02 |

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| S76 | 7  | S75 not (S74 S73)  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:05 |
| S77 | 2  | "20030147362".pn.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:19 |
| S79 | 0  | (adjacent neighbor\$3) near3<br>(cell\$1 sector\$1 "base station"<br>basestation\$1 "base transceiver<br>station" BTS "node B") with<br>(time\$1slot slot\$1) with (joint<br>\$2 combin\$5) near4 (FDMA<br>"frequency division multiple<br>access") near5 (TDMA "time<br>division multiple access")  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:32 |
| S80 | 2  | (adjacent neighbor\$3) near3<br>(cell\$1 sector\$1 "base station"<br>basestation\$1 "base transceiver<br>station" BTS "node B") with<br>(time\$1slot slot\$1) with (FDMA<br>"frequency division multiple<br>access") with (TDMA "time<br>division multiple access")  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:36 |
| S81 | 3  | (similar joint\$2 "same" shar\$3)<br>near3 (slot\$1 time\$1slot\$1)<br>same (neighrbor\$3 adjacent)<br>near2 (cell\$1 sector\$1 "base<br>station" basestation\$1 "base<br>transceiver station" BTS "node<br>B") with (time\$1slot slot\$1)<br>same (OFDM "Orthogonal<br>frequency-division<br>multiplexing" "Orthogonal<br>frequency division multiplexing"<br>"Orthogonal frequency-division<br>multiplex") | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:43 |
| S82 | 16 | (slot\$1 time\$1slot\$1) same<br>(neighrbor\$3 adjacent) near2<br>(cell\$1 sector\$1 "base station"<br>basestation\$1 "base transceiver<br>station" BTS "node B") with<br>(time\$1slot slot\$1) same<br>(OFDM "Orthogonal frequency-<br>division multiplexing"<br>"Orthogonal frequency division<br>multiplexing" "Orthogonal<br>frequency-division multiplex")  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:45 |

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| S83 | 35   | (slot\$1 time\$1slot\$1) same<br>(neighbor\$3 adjacent) near2<br>(cell\$1 sector\$1 "base station"<br>basestation\$1 "base transceiver<br>station" BTS "node B") same<br>(OFDM "Orthogonal frequency-<br>division multiplexing"<br>"Orthogonal frequency division<br>multiplexing" "Orthogonal<br>frequency-division multiplex") | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:49 |
| S84 | 4403 | shar\$3 near2 (time\$1slot\$1 slot<br>\$1)   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:53 |
| S85 | 6    | shar\$3 near2 (time\$1slot\$1 slot<br>\$1) with (OFDM "Orthogonal<br>frequency-division<br>multiplexing" "Orthogonal<br>frequency division multiplexing"<br>"Orthogonal frequency-division<br>multiplex")  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:53 |
| S86 | 2    | "5815488".pn.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>10:56 |
| S87 | 1487 | (time\$1slot\$1 slot\$1) with<br>(OFDM "Orthogonal frequency-<br>division multiplexing"<br>"Orthogonal frequency division<br>multiplexing" "Orthogonal<br>frequency-division multiplex")   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>11:25 |
| S88 | 10   | shar\$3 near3 (time\$1slot\$1 slot<br>\$1) near3 (OFDM "Orthogonal<br>frequency-division<br>multiplexing" "Orthogonal<br>frequency division multiplexing"<br>"Orthogonal frequency-division<br>multiplex")   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>11:25 |
| S89 | 5    | S88 not S85  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>11:26 |
| S90 | 4    | "6657949".pn.",6192026".pn.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/11/04<br>11:31 |

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| S91 | 0  | (adjacent neighbor\$3) near3 (cell\$1 sector\$1 "base station" basestation\$1 "base transceiver station" BTS "node B") near5 transmit\$4 near5 (single near2 (time\$1slot slot\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 11:39 |
| S92 | 21 | (adjacent neighbor\$3) near3 (cell\$1 sector\$1 "base station" basestation\$1 "base transceiver station" BTS "node B") with (single near2 (time\$1slot slot \$1))                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 11:39 |
| S93 | 0  | (cell\$1 sector\$1 "base station" basestation\$1 "base transceiver station" BTS "node B") with (single near2 (time\$1slot slot \$1)) with interfer\$4 with OFDM                     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 11:45 |
| S94 | 0  | (single near2 (time\$1slot slot \$1)) with interfer\$4 with OFDM  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 11:45 |
| S95 | 42 | (single near2 (time\$1slot slot \$1)) with OFDM   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/04 11:45 |

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